

A. CLASSIFICATION OF SUBJECT MATTER  
IPC 7 H04L29/06 G11B20/00

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)  
IPC 7 G11B H04L G06F G07F H04N

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, PAJ, WPI Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

| Category | Citation of document, with indication, where appropriate, of the relevant passages   | Relevant to claim No |
|----------|--|----------------------|
| X        | EP 1 047 030 A (SONY CORPORATION)<br>25 October 2000 (2000-10-25)<br>abstract<br>paragraph '0028! - paragraph '0031!<br>paragraph '0208! - paragraph '0215!<br>paragraph '0234! - paragraph '0245!<br>figures 1,2,38,39<br>----- | 1-10,16,<br>17,19-21 |
| X        | EP 1 014 618 A (SONY CORPORATION)<br>28 June 2000 (2000-06-28)<br>abstract<br>paragraph '0047!<br>paragraph '0075! - paragraph '0081!<br>figure 5<br>-----<br>-/-  | 1-10,16,<br>17,19-21 |

Further documents are listed in the continuation of box C

Patent family members are listed in annex.

\* Special categories of cited documents

- \*A\* document defining the general state of the art which is not considered to be of particular relevance
- \*E\* earlier document but published on or after the international filing date
- \*L\* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- \*O\* document referring to an oral disclosure, use, exhibition or other means
- \*P\* document published prior to the international filing date but later than the priority date claimed

- \*T\* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- \*X\* document of particular relevance, the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- \*Y\* document of particular relevance, the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
- \*&\* document member of the same patent family

|  |  |
|--|--|
| Date of the actual completion of the international search<br><br>31 January 2005   | Date of mailing of the international search report<br><br>14/02/2005 |
| Name and mailing address of the ISA<br>European Patent Office, P. B. 5818 Patentlaan 2<br>NL - 2280 HV Rijswijk<br>Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,<br>Fax (+31-70) 340-3016 | Authorized officer<br><br>Bertolissi, E                              |

## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

| Category | Citation of document, with indication, where appropriate, of the relevant passages  | Relevant to claim No |
|----------|---|----------------------|
| X        | <p>EP 1 197 965 A (SONY CORPORATION)<br/> 17 April 2002 (2002-04-17)</p> <p>abstract</p> <p>paragraph '0179!</p> <p>paragraph '0220! – paragraph '0238!</p> <p>paragraph '0249! – paragraph '0252!</p> <p>paragraph '0273! – paragraph '0275!</p> <p>figures 2-4</p> <p>-----</p> | 11-15, 18            |
| A        | <p>US 3 736 368 A (VOGELMAN J,US ET AL)<br/> 29 May 1973 (1973-05-29)</p> <p>abstract</p> <p>column 2, line 3 – line 39</p> <p>-----</p>  | 1-21                 |
| A        | <p>EP 0 715 245 A (XEROX CORPORATION;<br/> CONTENTGUARD HOLDINGS, INC)<br/> 5 June 1996 (1996-06-05)</p> <p>abstract</p> <p>-----</p>   | 1-21                 |

## Information on patent family members

International Application No  
PCT/JP2004/012226

| Patent document cited in search report |   | Publication date |  | Patent family member(s)  | Publication date   |
|--|---|------------------|--|--|--|
| EP 1047030                             | A | 25-10-2000       | JP<br>EP   | 2000357196 A<br>1047030 A2   | 26-12-2000<br>25-10-2000   |
| EP 1014618                             | A | 28-06-2000       | EP<br>US<br>WO<br>US   | 1014618 A1<br>6834346 B1<br>0007329 A1<br>2005005148 A1  | 28-06-2000<br>21-12-2004<br>10-02-2000<br>06-01-2005   |
| EP 1197965                             | A | 17-04-2002       | JP<br>EP<br>US   | 2002118834 A<br>1197965 A2<br>2002057799 A1  | 19-04-2002<br>17-04-2002<br>16-05-2002   |
| US 3736368                             | A | 29-05-1973       | CA   | 957433 A1  | 05-11-1974   |
| EP 0715245                             | A | 05-06-1996       | US<br>DE<br>DE<br>EP<br>EP<br>EP<br>EP<br>EP<br>EP<br>EP<br>EP<br>EP<br>EP<br>EP<br>JP<br>JP<br>JP | 5629980 A<br>69531927 D1<br>69531927 T2<br>1293871 A2<br>1293872 A2<br>1293873 A2<br>1329795 A1<br>1329796 A1<br>1331542 A1<br>1338941 A1<br>1338942 A1<br>0715245 A1<br>8263441 A<br>2004310790 A<br>2004310791 A | 13-05-1997<br>20-11-2003<br>19-05-2004<br>19-03-2003<br>19-03-2003<br>19-03-2003<br>23-07-2003<br>23-07-2003<br>30-07-2003<br>27-08-2003<br>27-08-2003<br>05-06-1996<br>11-10-1996<br>04-11-2004<br>04-11-2004 |